Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	04/11/2018 10:50 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124519	-1	1.78	124374	1.75
Blue	F	SSC	125000	123633	-2	3.12	123932	2.88
Blue	E	FITC	23615	22956	-3	2.88	1023	11.10
Blue	D	PE	26739	26398	-2	2.34	949	10.50
Blue	B	PerCP-Cy5-5	48339	47429	-2	3.62	1366	17.95
Blue	A	PE-Cy7	45021	44324	-2	5.38	683	37.47
Red	C	APC	53064	52040	-2	2.79	2984	9.69
Red	A	APC-Cy7	57175	56519	-2	3.14	1178	11.76
Violet	B	V450	14728	14060	-5	4.45	672	9.55
Violet	A	V500	58621	56766	-4	4.31	2508	6.91

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19464	3.34	615	1	N/A	N/A	Pass
Blue	F	SSC	61030	1.89	564	18	N/A	N/A	Pass
Blue	E	FITC	115	41.37	553	5	0.0178	173	Pass
Blue	D	PE	207	30.81	544	8	0.1391	234	Pass
Blue	B	PerCP-Cy5-5	213	48.49	644	9	0.0089	123	Pass
Blue	A	PE-Cy7	71	134.27	702	9	0.0108	24	Pass
Red	C	APC	339	29.04	600	3	0.0194	81	Pass
Red	A	APC-Cy7	128	41.78	584	4	0.0049	1448	Pass
Violet	B	V450	82	45.49	464	-6	0.0446	2367	Pass
Violet	A	V500	183	25.09	491	-6	0.0136	837	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	04/11/2018 10:50 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.62	-31.18	0.94
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.34
Red	16.68	14.40 - 21.60	N/A	N/A	30.87	31.45	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 10507

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments